

Abstract

[000120] The present invention is a method for the modification of the surfaces of polymeric materials with polymer coatings that may be subsequently treated to be lubricious and anti-microbial. The method comprises incubating a photo-initiator-coated polymeric material with an aqueous monomer that is capable of free radical polymerization and exposing the incubating polymeric material to UV light creating a modified surface on said polymeric material. The method may additionally comprise adding a silver component to the modified surface. The silver component may be provided as a silver salt coating or a silver salt contained within a hydrogel bonded to the acrylate modified polymeric material surface.